

FEB 17 1982

FORM 11641-PWO

AF30 JMS 1557-1  
JMS AF 32 1633-1

# MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME <b>3M COMPANY</b>		EMERGENCY TELEPHONE NO. <b>(612) 733-2328</b>
ADDRESS (Number, Street, City, State, and ZIP Code) <b>3M CENTER, ST. PAUL, MINNESOTA 55101</b>		
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS <b>SCOTCHWELD Brand Structural</b>
CHEMICAL FAMILY <b>Nitrile/phenolic</b>	<b>Adhesive Films AF-6,13,13-S,15,30,31,32</b>	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
None					

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N.A.	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	N.A.
VAPOR PRESSURE (mm Hg.)	N.A.	PERCENT VOLATILE BY VOLUME (%)	•
VAPOR DENSITY (AIR=1)	N.A.	EVAPORATION RATE (_____=1)	N.A.
SOLUBILITY IN WATER	Not soluble		
APPEARANCE AND ODOR Solid film adhesive - essentially no odor.			

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	N.A.	FLAMMABLE LIMITS	LeI	Uel
EXTINGUISHING MEDIA	Water, CO <sub>2</sub> , foam, dry			
SPECIAL FIRE FIGHTING PROCEDURES	None			
UNUSUAL FIRE AND EXPLOSION HAZARDS	None			

N.A. = not applicable  
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**SECTION V - HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE N.A.

EFFECTS OF OVEREXPOSURE None expected.

EMERGENCY AND FIRST AID PROCEDURES

**SECTION VI - REACTIVITY DATA**

STABILITY UNSTABLE CONDITIONS TO AVOID

STABLE X

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION MAY OCCUR CONDITIONS TO AVOID

WILL NOT OCCUR X

**SECTION VII - SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED N.A.

WASTE DISPOSAL METHOD  
Incinerate or landfill in accordance with local regulations.**SECTION VIII - SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION (Specify type)

VENTILATION LOCAL EXHAUST X For curing ovens. SPECIAL  
MECHANICAL (General) OTHER

PROTECTIVE GLOVES

EYE PROTECTION

OTHER PROTECTIVE EQUIPMENT

**SECTION IX - SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Refrigerated storage required. See product specification sheet for details. Allow film to warm to room temperature before using. Pro-  
OTHER PRECAUTIONS  
longed storage at room temperatures will harm performance of product.